IN THE CLAIMS:

1. – 36. (Cancelled)

37. (New) A lined surface comprising a layer of cured resin material wherein said layer of cured resin material comprises a mixture of a resin material comprising active hydrogens chemically bonded to a polycarbodiimide, wherein said resin comprising active hydrogens chemically bonded to a polycarbodiimide has a viscosity before curing ranging from about 30,000 centipoises to about 50 million centipoises, and a reactive organic diluent incorporated in the resin comprising active hydrogens chemically bound to the polycarbodiimide, wherein said cured resin material comprising active hydrogens has a flexural strength ranging from about 3,000 psi to about 80,000 psi; wherein said layer of cured resin material resides on said surface.

38. (New) The lined surface according to Claim 37, wherein said surface is flat or contoured.

39. (New) The lined surface according to Claim 37, wherein the resin chemically bound to a polycarbondiimide is selected from the group consisting to saturated polyester resins, unsaturated polyester resins, vinyl ester resins, polyurethane resins, and mixtures thereof.

40. (New) The lined surface according to Claim 37, wherein said surface is an electronic device or an integrated circuit device.

41. (New) The lined surface according to Claim 37, wherein said cured resin material further comprises fibrous reinforcement material selected from the group consisting of concrete, fiberglass, polyester, carbon, metal, organic fibers, and mixtures thereof.

42. (New) The lined surface according to Claim 37, wherein said organic reactive diluent is a vinyl monomer.

43. (New) The lined surface according to Claim 37, wherein said organic reactive diluent is selected from the group consisting of the group consisting of styrene, alphamethylstyrene, p-methyl styrene, divinyl benzene, vinyl toluene, divinyl toluene, ethyl styrene, tert-butyl styrene, monochloro styrene, dichloro styrene, vinyl cyclohexane, vinyl cyclopentane, vinyl toluene, vinyl anthracenes, 3-vinyl benzyl chloride, 4-vinyl biphenyl, 4-vinyl-1-cyclohexene, vinyl cyclooctane, 2-vinyl naphthalene, 5-vinyl-2-norbornene, 1-vinylimidazole, 2-vinyl pyridine, 4-vinyl pyridine, 1-vinyl-2-pyrrolidinone, 9-vinyl carbazole, ethylene glycol dimethacrylate, butanediol dimethacrylate, hexanediol dimethacrylate, hydroxyethyl methacrylate, hydroxypropyl methacrylate, and mixtures thereof.

44. (New) The lined surface according to Claim 37, wherein said surface comprises a polymeric material.

45. (New) A lined surface comprising a layer of cured resin material provided by reacting a mixture of a resin containing active hydrogens, a polycarbodiimide and a reactive organic diluent to chemically bind the resin and polycarbodiimide, wherein the resin containing active hydrogens has a viscosity ranging from about 30,000 centipoises to about 50 million centipoises, and wherein said cured resin material has a flexural strength ranging from about 3,000 psi to about 80,000 psi; wherein said layer of cured resin material resides on said surface.

46. (New) The lined surface according to Claim 45, wherein said surface is flat or contoured.

47. (New) The lined surface according to Claim 45, wherein said cured resin material further comprises fibrous reinforcement material selected from the group consisting of concrete, fiberglass, polyester, carbon, metal, organic fibers, and mixtures thereof.

48. (New) A lined surface according to Claim 45, wherein the resin material is cured in the presence of an initiator.

49. (New) The lined surface according to Claim 48, wherein the initiator is an organic peroxide selected from the group consisting of cumene hydroperoxide; methyl ethyl ketone peroxide; benzoyl peroxide, acetyl peroxide; 2,5-dimethylhexane-2,5-dihydroperoxide; tert-butyl peroxybenzoate; di-tert-butyl perphthalate; dicumyl peroxide; 2,5-dimethyl-2,5bis(tert-butylperoxide)hexane; 2,5-dimethyl-2,5-bis(tert-butylperoxy)hexyne; bis(tertbutylperoxyisopropyl) benzene; di(tertpbutyl peroxide; 1,1-di(tert-amylperoxy)-cyclohexane; 1,1-di-(tert-butylperoxy)-3,3,5-trimethylcyclohexane; 1,1-di(tert-butylperoxy)-cyclohexane; 2,2-di-(tert-amylperoxy)butyrate; ethyl-3,3-di(tert-butylperoxy)-butyrate; t-butyl peroxy-neodecanoate; di-(4-5-butyl-cyclohexyl)-peroxydicarbonate; lauryl peroxide; 2,5-dimethyl-2,5-bis(2-ethyl-hexanoyl peroxy) hexane; t-amyl peroxy-2-ethylhexanoate; 2,2'-azobis(2-methyl-propionitrile); 2,2'-azobis(2,4-methylbutanenitrile; and mixtures thereof.

50. (New) The lined surface according to Claim 48, wherein said step of curing the chemically bound resin and polycarbodiimide in the presence of an initiator to form a cured resin material is carried out in the presence of a promoter which is a compound.

51. (New) The lined surface according to Claim 45, wherein said organic reactive diluent is a vinyl monomer.

52. (New) The lined surface according to Claim 45, wherein said organic reactive diluent is selected from the group consisting of the group consisting of styrene, alphamethylstyrene, p-methyl styrene, divinyl benzene, vinyl toluene, divinyl toluene, ethyl styrene, tert-butyl styrene, monochloro styrene, dichloro styrene, vinyl cyclohexane, vinyl cyclopentane, vinyl toluene, vinyl anthracenes, 3-vinyl benzyl chloride, 4-vinyl biphenyl, 4-vinyl-1-cuclohexene, vinyl cyclooctane, 2-vinyl

naphthalene, 5-vinyl-2-norbornene, 1-vinylimidazole, 2-vinyl pyridine, 4-vinyl pyridine, 1-vinyl-2-pyrrolidinone, 9-vinyl carbazole, ethylene glycol dimethacrylate, butanediol dimethacrylate, hexanediol dimethacrylate, hydroxyethyl methacrylate, hydroxypropyl methacrylate, and mixtures thereof.

53. (New) The lined surface according to Claim 45, wherein said surface comprises a polymeric material.